ground plane, whereby said grounded antenna and said ungrounded antenna provide a diversity gain relative to signals received by said diversity wireless device.

2. (Amended) The diversity wireless device as described in Claim 1 wherein

said ground plane is placed in proximity to said ungrounded antenna and said ungrounded antenna communicates with said ground plane via high-frequency waves.

3. (Amended) The diversity wireless device as described in Claim 1 wherein

elements of said grounded antenna and said ungrounded antenna are symmetrical and an angle between said grounded antenna and said ungrounded antenna is established at 90°.

4. (Amended) The diversity wireless device as described in Claim 2 wherein

elements of said grounded antenna and said ungrounded antenna are symmetrical and an angle between said grounded antenna and said ungrounded antenna is established at 90°.

5. (Amended) A diversity wireless device for providing diversity using a plurality of ungrounded antennas wherein

a ground plane is placed in proximity to at least one of said ungrounded antennas, said at least one of said ungrounded antennas is isolated from said ground plane, and said at least one of said ungrounded antennas communicates with said ground plane via high-frequency waves.

6. (Amended) The diversity wireless device as described in Claim 5 wherein

elements of said grounded antenna and said ungrounded antenna are symmetrical and an angle between said ungrounded antennas is established at 90°.

7. (Amended) A diversity wireless device for providing diversity using a plurality of antennas wherein

a ground plane is disposed on a substrate;

at least one ungrounded antenna is provided and is isolated from said ground plane, said ground plane is placed partly surrounding said ungrounded antenna, and said ungrounded antenna and said ground plane communicate with each other via high-frequency waves.

8. (Amended) The diversity wireless device as described in Claim 7 wherein

said ground plane is composed of a plurality of laminated layers and is placed so as to partly surround said ungrounded antenna three-dimensionally, and said ungrounded antenna and said ground plane communicate with each other via high-frequency waves.

9. (Amended) A wireless terminal unit having first and second antenna elements, each of said antenna elements including:

(a) a substrate;

(b) a ground plane disposed on said substrate;

(c) a first conductor section substantially in parallel to said substrate; and

(d) a second conductor section successively formed from said first conductor section and angularly arranged relative to said substrate,

wherein a size of said first antenna element is different from a size of said second antenna element, and

wherein at least one of said first conductor section and said second conductor section is isolated from said ground plane.

12. (Amended) The wireless terminal unit as described in Claim 10 comprising:

at least a first and a second said antenna elements provided in said unit and a connector with a switch for connecting to an external antenna

wherein said unit is structured so as to switch said first of said antenna elements in said unit to said external antenna and to provide diversity using said external antenna and said second antenna element when said external antenna is connected to said connector.

13. (Amended) The wireless terminal unit as described in Claim 11 wherein

said antenna elements are ungrounded, a ground is placed in proximity to at least one of said ungrounded antenna elements, and said ungrounded antenna communicates with said ground via high-frequency waves.

14. (Amended) The wireless terminal unit as described in Claim 12 wherein

said antenna elements are ungrounded, a ground is placed in proximity to at least one of said ungrounded antenna elements, and said ungrounded antenna communicates with said ground via high-frequency waves.